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#### Amendments to the claims

This listing of the claims replaces all other listings of the claims pending in the present application. Please amend claim 37 as follows:

## 1. (previously presented) A compound of the formula:

$$R^{6}$$
 $N$ 
 $R^{6}$ 
 $N$ 
 $R^{2}$ 
 $N$ 
 $N$ 
 $N$ 
 $R^{3}$ 
 $R^{4}$ 

or a pharmaceutically acceptable salt, hydrate, or prodrug thereof, wherein:

X is CR<sup>14</sup>;

R<sup>1</sup> is selected from H, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, (C<sub>3</sub>-C<sub>10</sub> cycloalkyl) C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>2</sub>-C<sub>6</sub> alkenyl, C<sub>2</sub>-C<sub>6</sub> alkynyl, cyano, halo, C<sub>1</sub>-C<sub>6</sub> haloalkyl, OR<sup>7</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-OR<sup>7</sup>; C<sub>1</sub>-C<sub>6</sub> cyanoalkyl, NR<sup>8</sup>R<sup>9</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-NR<sup>8</sup>R<sup>9</sup>;

R<sup>2</sup> is H;

A represents an alkyl chain of 1,2, or 3 carbon atoms which is optionally mono- or disubstituted at each carbon with substituents independently selected from C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, (C<sub>3</sub>-C<sub>10</sub> cycloalkyl) C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> alkenyl, C<sub>1</sub>-C<sub>6</sub> alkynyl, cyano, halo, C<sub>1</sub>-C<sub>6</sub> haloalkyl, OR<sup>7</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-OR<sup>7</sup>; C<sub>1</sub>-C<sub>6</sub> cyanoalkyl, NR<sup>8</sup>R<sup>9</sup>, and C<sub>1</sub>-C<sub>6</sub> alkyl-NR<sup>8</sup>R<sup>9</sup>, or

A and B jointly form a  $C_3$ - $C_6$  carbocycle, optionally substituted at each atom with  $R^7$ ;

B represents an alkyl chain of 1,2 or 3 carbons atoms, which is optionally mono- or disubstituted at each carbon with substituents independently selected from C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, (C<sub>3</sub>-C<sub>10</sub> cycloalkyl) C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>2</sub>-C<sub>6</sub> alkenyl, C<sub>2</sub>-C<sub>6</sub> alkynyl, cyano, halo, C<sub>1</sub>-C<sub>6</sub> haloalkyl, OR<sup>7</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-OR<sup>7</sup>; C<sub>1</sub>-C<sub>6</sub> cyanoalkyl, NR<sup>8</sup>R<sup>9</sup>, and C<sub>1</sub>-C<sub>6</sub> alkyl-NR<sup>8</sup>R<sup>9</sup>, or

B and R<sup>6</sup> jointly form a C<sub>3</sub>-C<sub>6</sub> aminocarbocycle, which is optionally substituted at each atom with R<sup>7</sup>;

R<sup>3</sup> is selected from H, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, (C<sub>3</sub>-C<sub>10</sub> cycloalkyl) C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>2</sub>-C<sub>6</sub> alkenyl, C<sub>2</sub>-C<sub>6</sub> alkynyl, cyano, halo, C<sub>1</sub>-C<sub>6</sub> haloalkyl, OR<sup>7</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-OR<sup>7</sup>, C<sub>1</sub>-C<sub>6</sub> cyanoalkyl, NR<sup>8</sup>R<sup>9</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-NR<sup>8</sup>R<sup>9</sup>;

R<sup>4</sup> is selected from aryl or heteroaryl, each of which is substituted with 1 to 5 substituents independently selected from C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkenyl, (C<sub>3</sub>-C<sub>10</sub> cycloalkyl) C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> alkenyl, C<sub>1</sub>-C<sub>6</sub> alkynyl, halogen, C<sub>1</sub>-C<sub>6</sub> haloalkyl, trifluromethylsulfonyl, OR<sup>7</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-OR<sup>7</sup>, NR<sup>8</sup>R<sup>9</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-NR<sup>8</sup>R<sup>9</sup>, CONR<sup>8</sup>R<sup>9</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-CONR<sup>8</sup>R<sup>9</sup>, COOR<sup>7</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-COOR<sup>7</sup>, CN, C<sub>1</sub>-C<sub>6</sub> alkyl-CN, SO<sub>2</sub>NR<sup>8</sup>R<sup>9</sup>, SO<sub>2</sub>R<sup>7</sup>, aryl, heteroaryl, heterocycloalkyl, 3-, 4-, or 5-(2-oxo-1,3-oxazolidinyl), wherein at least one of the positions ortho or para to the point of attachment of the aryl or heteroaryl ring to the pyrazole is substituted;

# R<sup>5</sup> is selected from:

C<sub>1</sub>-C<sub>6</sub> alkyl, (C<sub>3</sub>-C<sub>10</sub> cycloalkyl) C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>2</sub>-C<sub>6</sub> alkenyl, C<sub>2</sub>-C<sub>6</sub> alkynyl, each of which is substituted with 1 to 5 groups independently selected at each occurrence from halo, C<sub>1</sub>-C<sub>2</sub> haloalkyl, oxo, OR<sup>7</sup>, cyano, NR<sup>8</sup>R<sup>9</sup>, CONR<sup>8</sup>R<sup>9</sup>, COOR<sup>7</sup>, SO<sub>2</sub>NR<sup>8</sup>R<sup>9</sup>, SO<sub>2</sub>R<sup>7</sup>, NR<sup>11</sup>COR<sup>12</sup>, NR<sup>11</sup>SO<sub>2</sub>R<sup>7</sup>;

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Aryl(C<sub>1</sub>-C<sub>6</sub>)alkyl, heteroaryl(C<sub>1</sub>-C<sub>6</sub>)alkyl, aryl(C<sub>5</sub>-C<sub>8</sub>)cycloalkyl, or heteroaryl(C<sub>5</sub>-C<sub>8</sub>)cycloalkyl, each of which is optionally substituted with 1 to 5 substituents independently selected at each occurrence from C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> alkenyl, halogen, C<sub>1</sub>-C<sub>6</sub> haloalkyl, trifluromethylsulfonyl, OR<sup>7</sup>, NR<sup>8</sup>R<sup>9</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-OR<sup>7</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-NR<sup>8</sup>R<sup>9</sup>, CONR<sup>8</sup>R<sup>9</sup>, COOR<sup>7</sup>, CN, SO<sub>2</sub>NR<sup>8</sup>R<sup>9</sup>, SO<sub>2</sub>R<sup>7</sup>, aryl, heteroaryl, heterocycloalkyl, 3-, 4-, or 5-(2-oxo-1,3-oxazolidinyl), wherein any 2 adjacent substituents may be take together to form a C<sub>3</sub>-C<sub>10</sub> cycloalkyl ring, a C<sub>3</sub>-C<sub>10</sub> cycloalkenyl ring or a heterocycloalkyl ring;

C<sub>3</sub>-C<sub>10</sub> cycloalkyl or C<sub>2</sub>.C<sub>9</sub> heterocycloalkyl containing one, two, or three O, S, or N atoms, each of which is optionally substituted with 1 to 6 substituents independently selected from C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, (C<sub>3</sub>-C<sub>10</sub> cycloalkyl) C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> alkenyl, oxo, halogen, C<sub>1</sub>-C<sub>6</sub> haloalkyl, OR<sup>7</sup>, NR<sup>8</sup>R<sup>9</sup>, (with the proviso that when two OR<sup>7</sup> or NR<sup>8</sup>R<sup>9</sup> substituents are geminally located on the same carbon R<sup>7</sup> is not H and the geminally located OR7 or NR8R9 substitutuents can be taken together to form a C2-C4 ketal, oxazoline, oxazolidine, imidazoline, or imidazolidine heterocycle), C<sub>1</sub>-C<sub>6</sub> alkyl-OR<sup>7</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-NR<sup>8</sup>R<sup>9</sup>, CONR<sup>8</sup>R<sup>9</sup>, COOR<sup>7</sup>, CN, oxo, hydroximino, C<sub>1</sub>-C<sub>6</sub> alkoximino, SO<sub>2</sub>NR<sup>8</sup>R<sup>9</sup>, SO<sub>2</sub>R<sup>7</sup>, heterocycloalkyl, aryl, heteroaryl, where aryl or heteroaryl is optionally substituted with 1 to 5 substituents independently selected at each occurrence from C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkenyl, (C<sub>3</sub>-C<sub>10</sub> cycloalkyl)  $C_1$ - $C_6$ alkyl,  $C_1$ - $C_6$ alkenyl, halogen,  $C_1$ - $C_6$ trifluromethylsulfonyl, OR<sup>7</sup>, NR<sup>8</sup>R<sup>9</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-OR<sup>7</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-NR<sup>8</sup>R<sup>9</sup>, CONR<sup>8</sup>R<sup>9</sup>, COOR<sup>7</sup>, CN, SO<sub>2</sub>NR<sup>8</sup>R<sup>9</sup>, SO<sub>2</sub>R<sup>7</sup>, aryl, heteroaryl, heterocycloalkyl, 3-, 4-, or 5-(2-oxo-1,3-oxazolidinyl), with the proviso that 2 adjacent substituents can optionally form together a C<sub>3</sub>-C<sub>10</sub> cycloalkyl ring, a C<sub>3</sub>-C<sub>10</sub> cycloalkenyl ring or a heterocycloalkyl ring;

aryl or heteroaryl, optionally substituted with 1 to 5 substituents independently selected at each occurrence from halogen, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkenyl, (C<sub>3</sub>-C<sub>10</sub> cycloalkyl) C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> alkenyl, halogen, C<sub>1</sub>-C<sub>6</sub> haloalkyl, trifluromethylsulfonyl, OR<sup>7</sup>, NR<sup>8</sup>R<sup>9</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-OR<sup>7</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-NR<sup>8</sup>R<sup>9</sup>, CONR<sup>8</sup>R<sup>9</sup>,

 $COOR^7$ , CN,  $SO_2NR^8R^9$ ,  $SO_2R^7$ , aryl, heteroaryl, heterocycloalkyl, 3-, 4-, or 5-(2-oxo-1,3-oxazolidinyl), wherein any 2 adjacent substituents may be taken together to form a  $C_3$ - $C_{10}$  cycloalkyl ring, a  $C_3$ - $C_{10}$  cycloalkenyl ring or a heterocycloalkyl ring; or

- 3- or 4-piperidinyl, 3-pyrrolidinyl, 3- or 4- tetrahydropyranyl, 3-tetrahydrofuranyl, 3- or 4-tetrahydropyranyl, 3- or 4-(1,1-dioxo) tetrahydrothiopyranyl, 1-azabicyclo[4.4.0]decyl, 8-azabicyclo[3.2.1]octanyl, norbornyl, quinuclidinyl, indolin-2-one-3-yl, 2-(methoximino)-perhydroazepin-6-yl, each optionally substituted with 1 to 5 substituents independently selected at each occurrence from R<sup>7</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-OR<sup>7</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-NR<sup>8</sup>R<sup>9</sup>, CONR<sup>8</sup>R<sup>9</sup>, CN, COOR<sup>7</sup> SO<sub>2</sub>NR<sup>8</sup>R<sup>9</sup>, and SO<sub>2</sub>R<sup>7</sup>;
- R<sup>6</sup> is selected from H, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, (C<sub>3</sub>-C<sub>10</sub> cycloalkyl) C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>2</sub>-C<sub>4</sub> alkenyl, aryl(C<sub>1</sub>-C<sub>6</sub>)alkyl, heteroaryl(C<sub>1</sub>-C<sub>6</sub>)alkyl each of which is optionally substituted with 1 to 5 substituents independently from halogen, C<sub>1</sub>-C<sub>6</sub> haloalkyl, OR<sup>13</sup>, NR<sup>8</sup>R<sup>9</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-OR<sup>13</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-NR<sup>8</sup>R<sup>9</sup>, CONR<sup>8</sup>R<sup>9</sup>, COOR<sup>7</sup>, CN, SO<sub>2</sub>NR<sup>8</sup>R<sup>9</sup>, and SO<sub>2</sub>R<sup>7</sup>;
- R<sup>7</sup> is independently selected at each occurrence from H, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>3</sub> haloalkyl, or heterocycloalkyl, C<sub>1</sub>-C<sub>8</sub> alkylsulfonyl, arylsulfonyl, heteroarylsulfonyl, C<sub>1</sub>-C<sub>8</sub> alkanoyl, aroyl, heteroaroyl, aryl, heteroaryl, C<sub>1</sub>-C<sub>6</sub> arylalkyl or C<sub>1</sub>-C<sub>6</sub> heteroarylalkyl each optionally substituted with 1 to 5 substituents independently selected from halogen, C<sub>1</sub>-C<sub>6</sub> haloalkyl, OR<sup>13</sup>, NR<sup>8</sup>R<sup>9</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-OR<sup>13</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-NR<sup>8</sup>R<sup>9</sup>, CONR<sup>8</sup>R<sup>9</sup>, COOR<sup>13</sup>, CN, SO<sub>2</sub>NR<sup>8</sup>R<sup>9</sup>, and SO<sub>2</sub>R<sup>13</sup>, with the proviso that when R<sup>7</sup> is SO<sub>2</sub>R<sup>13</sup>, R<sup>13</sup> cannot be H;
- $R^8$  and  $R^9$  are independently selected at each occurrence from H,  $C_1$ - $C_6$  alkyl,  $C_3$ - $C_{10}$  cycloalkyl,  $C_2$ - $C_6$  alkenyl,  $C_3$ - $C_{10}$  cycloalkenyl,  $C_2$ - $C_6$  alkynyl, heterocycloalkyl,  $C_1$ - $C_8$  alkanoyl, aroyl, heteroaroyl, aryl, heteroaryl,  $C_1$ - $C_6$  arylalkyl or  $C_1$ - $C_6$  heteroarylalkyl, or

 $R^8$  and  $R^9$ , taken together, can form a  $C_3$ - $C_6$  aminocarbocycle or a  $C_2$ - $C_5$  aminoheterocycle each of which is optionally substituted with  $C_1$ - $C_6$  alkyl,  $C_3$ - $C_{10}$  cycloalkyl,  $C_3$ - $C_{10}$  cycloalkyl,  $C_1$ - $C_6$  alkyl,  $C_1$ - $C_6$  haloalkyl, or heterocycloalkyl,  $C_1$ - $C_8$  alkylsulfonyl, arylsulfonyl, heteroarylsulfonyl,  $C_1$ - $C_8$  alkanoyl, aroyl, heteroaryl, aryl, heteroaryl,  $C_1$ - $C_6$  arylalkyl or  $C_1$ - $C_6$  heteroarylalkyl;

R<sup>11</sup> is selected from H, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, (C<sub>3</sub>-C<sub>10</sub> cycloalkyl) C<sub>1</sub>-C<sub>6</sub> alkyl;

R<sup>12</sup> is selected from H, aryl, heteroaryl, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, (C<sub>3</sub>-C<sub>10</sub> cycloalkyl) C<sub>1</sub>-C<sub>6</sub> alkyl, optionally substituted with OR<sup>7</sup>, NR<sup>8</sup>R<sup>9</sup>, C<sub>3</sub>-C<sub>6</sub> aminocarbocycle, or C<sub>2</sub>-C<sub>5</sub> aminoheterocycle;

 $R^{13}$  is independently selected at each occurrence from H,  $C_1$ - $C_6$  alkyl,  $C_3$ - $C_{10}$  cycloalkyl,  $(C_3$ - $C_{10}$  cycloalkyl)  $C_1$ - $C_6$  alkyl,  $C_2$ - $C_6$  alkenyl,  $C_2$ - $C_6$  alkynyl,  $C_1$ - $C_6$  haloalkyl, with the proviso that when  $R^7$  is  $SO_2R^{13}$ ,  $R^{13}$  cannot be H; and

 $R^{14}$  is H,  $C_1$ - $C_6$  alkyl,  $C_3$ - $C_{10}$  cycloalkyl, ( $C_3$ - $C_{10}$  cycloalkyl)  $C_1$ - $C_6$  alkyl,  $C_2$ - $C_4$  alkenyl,  $C_2$ - $C_4$  alkynyl, halo, or CN; and wherein

R<sup>5</sup> is phenyl, naphthyl, 2-,3-, or 4-pyridyl, 2-, 4- or 5-pyrimidinyl, triazinyl, 1-, 2- or 4-imidazolyl, 2-, 4-, or 5-oxazolyl, isoxazolyl, indolyl, pyrazolyl, quinolyl, isoquinolyl, 2-, 4-, or 5-thiazolyl, benzothiadiazolyl, 1-, 3- or 4-pyrazolyl, 1-, 3- or 4-triazolyl, 2-triazinyl, 2-pyrazinyl, 2-, or 3-furanyl, 2-, or 3-thienyl, 2-, or 3-benzothienyl, or 1-, 2- or 5-tetrazolyl each of which is optionally substituted with 1 to 5 substituents independently selected from C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkenyl, (C<sub>3</sub>-C<sub>10</sub> cycloalkyl) C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> alkenyl, halogen, C<sub>1</sub>-C<sub>6</sub> haloalkyl, trifluromethylsulfonyl, OR<sup>7</sup>, NR<sup>8</sup>R<sup>9</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-OR<sup>7</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-NR<sup>8</sup>R<sup>9</sup>, CONR<sup>8</sup>R<sup>9</sup>, COOR<sup>7</sup>, CN, SO<sub>2</sub>NR<sup>8</sup>R<sup>9</sup>, SO<sub>2</sub>R<sup>7</sup>, aryl, heteroaryl, heterocycloalkyl, 3-, 4-, or 5-(2-oxo-1,3-oxazolidinyl), wherein 2 adjacent substituents may be taken together to form a cycloalkyl ring, a C<sub>3</sub>-C<sub>10</sub> cycloalkenyl ring or a heterocycloalkyl ring.

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- 2. (canceled)
- 3-6. (canceled)
- 7. (original) A compound according to claim 1, wherein;

X is CH,

 $R^1$  is H,  $C_1$ - $C_6$  alkyl,  $C_3$ - $C_{10}$  cycloalkyl, or ( $C_3$ - $C_{10}$  cycloalkyl)  $C_1$ - $C_6$  alkyl; and  $R^6$  is H,  $C_1$ - $C_6$  alkyl,  $C_3$ - $C_{10}$  cycloalkyl, or ( $C_3$ - $C_{10}$  cycloalkyl)  $C_1$ - $C_6$  alkyl.

8. (original) A compound according to claim 1, wherein:

X is CH;

 $R^1$  is  $C_1$ - $C_6$  alkyl;

 $R^2$  is H or  $C_1$ - $C_6$  alkyl;

R<sup>3</sup> is C<sub>1</sub>-C<sub>6</sub> alkyl, trifluoromethyl, or C<sub>1</sub>-C<sub>6</sub>alkyl-O C<sub>1</sub>-C<sub>6</sub>alkyl; and

 $R^6$  is H,  $C_1$ - $C_6$  alkyl,  $C_3$ - $C_{10}$  cycloalkyl, or ( $C_3$ - $C_{10}$  cycloalkyl)  $C_1$ - $C_6$  alkyl.

9. (original) A compound according to claim 1, wherein;

X is CH;

 $R^1$  is  $C_1$ - $C_6$  alkyl;

 $R^2$  is H or  $C_1$ - $C_6$  alkyl;

 $R^3$  is  $C_1$ - $C_6$  alkyl, trifluoromethyl, or  $C_1$ - $C_6$ alkyl-O  $C_1$ - $C_6$ alkyl;

 $R^4$  is phenyl, mono, di, or trisubstituted with  $C_1$ - $C_6$  alkyl,  $C_3$ - $C_{10}$  cycloalkyl,  $C_3$ - $C_{10}$  cycloalkenyl,

(C<sub>3</sub>-C<sub>10</sub> cycloalkyl) C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> alkenyl, halogen, C<sub>1</sub>-C<sub>6</sub> haloalkyl, trifluromethylsulfonyl, OR<sup>7</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-OR<sup>7</sup>, NR<sup>8</sup>R<sup>9</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-NR<sup>8</sup>R<sup>9</sup>, CONR<sup>8</sup>R<sup>9</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-CONR<sup>8</sup>R<sup>9</sup>, COOR<sup>7</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-COOR<sup>7</sup>, CN, C<sub>1</sub>-C<sub>6</sub> alkyl-CN, SO<sub>2</sub>NR<sup>8</sup>R<sup>9</sup>, SO<sub>2</sub>R<sup>7</sup>, aryl, heteroaryl, heterocycloalkyl, 3-, 4-, or 5-(2-oxo-1,3-oxazolidinyl), wherein at least one of the positions ortho or para to the point of attachment of the aryl or heteroaryl ring to the pyrazole is substituted,

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 $R^6$  is H,  $C_1$ - $C_6$  alkyl,  $C_3$ - $C_{10}$  cycloalkyl, or ( $C_3$ - $C_{10}$  cycloalkyl)  $C_1$ - $C_6$  alkyl; and  $R^7$ ,  $R^8$ , and  $R^9$  are as defined in claim 1.

10. (original) A compound according to claim 1, wherein:

X is CH;

 $R^1$  is  $C_1$ - $C_6$  alkyl;

 $R^2$  is H or  $C_1$ - $C_6$  alkyl;

R<sup>3</sup> is C<sub>1</sub>-C<sub>6</sub> alkyl, trifluoromethyl, or C<sub>1</sub>-C<sub>6</sub>alkyl-O C<sub>1</sub>-C<sub>6</sub>alkyl;

R<sup>4</sup> is phenyl, mono, di, or trisubstituted with C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> alkenyl, halogen, C<sub>1</sub>-C<sub>6</sub> haloalkyl, trifluromethylsulfonyl, OR<sup>7</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-OR<sup>7</sup>, NR<sup>8</sup>R<sup>9</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-NR<sup>8</sup>R<sup>9</sup>, CONR<sup>8</sup>R<sup>9</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-CONR<sup>8</sup>R<sup>9</sup>, COOR<sup>7</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-COOR<sup>7</sup>, CN, C<sub>1</sub>-C<sub>6</sub> alkyl-CN, SO<sub>2</sub>NR<sup>8</sup>R<sup>9</sup>, SO<sub>2</sub>R<sup>7</sup>, aryl, heteroaryl, heterocycloalkyl, 3-, 4-, or 5-(2-oxo-1,3-oxazolidinyl), wherein at least one of the positions ortho or para to the point of attachment of the aryl or heteroaryl ring to the pyrazole is substituted,

R<sup>5</sup> is

C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>3</sub>-C<sub>10</sub>cycloalkyl, (C<sub>3</sub>-C<sub>10</sub> cycloalkyl) C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>2</sub>-C<sub>6</sub> alkenyl, C<sub>2</sub>-C<sub>6</sub> alkynyl, each of which is substituted with 1 to 5 groups independently selected at each occurrence from halo, C<sub>1</sub>-C<sub>2</sub> haloalkyl, OR<sup>7</sup>, cyano, NR<sup>8</sup>R<sup>9</sup>, CONR<sup>8</sup>R<sup>9</sup>, CONR<sup>8</sup>R<sup>9</sup>, COOR<sup>7</sup>, SO<sub>2</sub>NR<sup>8</sup>R<sup>9</sup>, SO<sub>2</sub>R<sup>7</sup>, NR<sup>11</sup>COR<sup>12</sup>, NR<sup>11</sup>SO<sub>2</sub>R<sup>7</sup>; or

3- or 4-piperidinyl, 3-pyrrolidinyl, 3- or 4- tetrahydropyranyl, 3-tetrahydrofuranyl, 3- or 4-tetrahydropyranyl, 3- or 4-(1,1-dioxo) tetrahydrothiopyranyl, 1-azabicyclo[4.4.0]decyl, 8-azabicyclo[3.2.1]octanyl, norbornyl, quinuclidinyl, indolin-2-one-3-yl, 2-(methoximino)-perhydroazepin-6-yl, each optionally substituted with 1 to 5 substituents independently selected at each occurrence from R<sup>7</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-OR<sup>7</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-NR<sup>8</sup>R<sup>9</sup>, CONR<sup>8</sup>R<sup>9</sup>, CN, COOR<sup>7</sup> SO<sub>2</sub>NR<sup>8</sup>R<sup>9</sup>, and SO<sub>2</sub>R<sup>7</sup>;

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 $R^6$  is H,  $C_1$ - $C_6$  alkyl,  $C_3$ - $C_{10}$  cycloalkyl, or ( $C_3$ - $C_{10}$  cycloalkyl)  $C_1$ - $C_6$  alkyl; and

 $R^7$ ,  $R^8$ ,  $R^9$ ,  $R^{11}$ , and  $R^{12}$  are as defined in claim 1.

- 11. (original) A method for treating eating disorders and cardiovascular disorders comprising administering to a patient suffering from an eating disorder or cardiovascular disorder a compound according to claim 1.
- 12. (original) A pharmaceutical composition comprising a compound according to claim 1 and a pharmaceutically acceptable carrier.

13-17. (canceled)

- 18. (original) A compound according to any one of claim I wherein in an assay of NPY binding the compound exhibits an K<sub>i</sub> of 1 micromolar or less.
- 19. (original) A compound according to any one of claim 1 wherein in an assay of NPY binding the compound exhibits an K<sub>i</sub> of 100 nanomolar or less.
- 20. (original) A compound according to any one of claim 1 wherein in an assay of NPY binding the compound exhibits an K<sub>i</sub> of 100 nanomolar 10 nanomolar or less.
- 21. (original) A method for treating obesity or bulimia nervosa which comprises administering an effective amount of a compound according to claim 1 to a patient in need thereof.
- 22. (original) A method for treating hypertension which comprises administering an effective amount of a compound according to claim 1 to a patient in need thereof.
- 23. (previously presented) A compound in accordance with formula I

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$$R^{6}$$
 $N$ 
 $R^{6}$ 
 $N$ 
 $R^{2}$ 
 $N$ 
 $N$ 
 $R^{2}$ 
 $R^{3}$ 

wherein:

 $X \text{ is } CR^{14};$ 

R<sup>1</sup> is selected from H, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>3</sub>-C<sub>6</sub> ycloalkyl, (C<sub>3</sub>-C<sub>10</sub> cycloalkyl) C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>2</sub>-C<sub>6</sub> alkenyl, C<sub>2</sub>-C<sub>6</sub> alkynyl, cyano, halo, C<sub>1</sub>-C<sub>6</sub> haloalkyl, OR<sup>7</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-OR<sup>7</sup>; C<sub>1</sub>-C<sub>6</sub> cyanoalkyl, NR<sup>8</sup>R<sup>9</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-NR<sup>8</sup>R<sup>9</sup>;

 $R^2$  is H;

A is  $(CH_2)_m$ , where m is 1,2 or 3 and is optionally mono- or di-substituted on each occurrence with  $C_1$ - $C_6$  alkyl,  $C_3$ - $C_{10}$  cycloalkyl,  $(C_3$ - $C_{10}$  cycloalkyl)  $C_1$ - $C_6$  alkyl,  $C_2$ - $C_6$  alkenyl,  $C_2$ - $C_6$  alkynyl, cyano, halo,  $C_1$ - $C_6$  haloalkyl,  $OR^7$ ,  $C_1$ - $C_6$  alkyl- $OR^7$ ;  $C_1$ - $C_6$  cyanoalkyl,  $NR^8R^9$ ,  $C_1$ - $C_6$  alkyl- $NR^8R^9$ , or A and B jointly form a  $C_3$ - $C_6$  carbocycle, optionally substituted at each occurrence with  $R^7$ ;

B is (CH<sub>2</sub>)<sub>n</sub>, where n is 1,2 or 3 and is optionally mono- or di-substituted on each occurrence with C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>3</sub>-C<sub>10</sub>- cycloalkyl, (C<sub>3</sub>-C<sub>10</sub> cycloalkyl) C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>2</sub>-C<sub>6</sub> alkenyl, C<sub>2</sub>-C<sub>6</sub> alkynyl, cyano, halo, C<sub>1</sub>-C<sub>6</sub> haloalkyl, OR<sup>7</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-OR7; C<sub>1</sub>-C<sub>6</sub> cyanoalkyl, NR<sup>8</sup>R<sup>9</sup>, and C<sub>1</sub>-C<sub>6</sub> alkyl-NR<sup>8</sup>R<sup>9</sup>;

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or, as mentioned above, B and A jointly form a C<sub>3</sub>-C<sub>6</sub> carbocycle, optionally substituted at each occurrence with R<sup>7</sup>;

 $R^3$  is selected from H,  $C_1$ - $C_6$  alkyl,  $C_3$ - $C_{10}$  cycloalkyl, ( $C_3$ - $C_{10}$  cycloalkyl)  $C_1$ - $C_6$  alkyl,  $C_2$ - $C_6$  alkenyl,  $C_2$ - $C_6$  akynyl, cyano, halo,  $C_1$ - $C_6$  haloalkyl,  $OR^7$ ,  $C_1$ - $C_6$  alkyl- $OR^7$ ,  $C_1$ - $C_6$  cyanoalkyl,  $NR^8R^9$ ,  $C_1$ - $C_6$  alkyl- $NR^8R^9$ ;

R<sup>4</sup> is selected from aryl or heteroaryl, each of which is substituted with 1 to 5 substituents independently selected from C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> alkenyl, C<sub>1</sub>-C<sub>6</sub> alkynyl, halogen, C<sub>1</sub>-C<sub>6</sub> haloalkyl, trifluromethylsulfonyl, OR<sup>7</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-OR<sup>7</sup>, NR<sup>8</sup>R<sup>9</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-NR<sup>8</sup>R<sup>9</sup>, CONR<sup>8</sup>R<sup>9</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-CONR<sup>8</sup>R<sup>9</sup>, COOR<sup>7</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-COOR<sup>7</sup>, CN, C<sub>1</sub>-C<sub>6</sub> alkyl-CN, SO<sub>2</sub>NR<sup>8</sup>R<sup>9</sup>, SO<sub>2</sub>R<sup>7</sup>, aryl, heteroaryl, heterocycloalkyl, 3-, 4-, or 5-(2-oxo-1,3-oxazolidinyl), wherein at least one of the positions ortho or para to the point of attachment of the aryl or heteroaryl ring to the pyrazole is substituted;

## R<sup>5</sup> is selected from:

C<sub>1</sub>-C<sub>6</sub> alkyl, (C<sub>3</sub>-C<sub>10</sub> cycloalkyl) C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>2</sub>-C<sub>6</sub> alkenyl, C<sub>2</sub>-C<sub>6</sub> alkynyl, each of which is substituted with 1 to 5 groups independently selected at each occurrence from halo, C<sub>1</sub>-C<sub>2</sub> haloalkyl, oxo, OR<sup>7</sup>, cyano, NR<sup>8</sup>R<sup>9</sup>, CONR<sup>8</sup>R<sup>9</sup>, COOR<sup>7</sup>, SO<sub>2</sub>NR<sup>8</sup>R<sup>9</sup>, SO<sub>2</sub>R<sup>7</sup>, NR<sup>11</sup>CO R<sup>12</sup>, N R<sup>11</sup>SO<sub>2</sub>R<sup>7</sup>;

Aryl(C<sub>1</sub>-C<sub>6</sub>)alkyl, heteroaryl(C<sub>1</sub>-C<sub>6</sub>)alkyl, aryl(C<sub>5</sub>-C<sub>8</sub>)cycloalkyl, or heteroaryl(C<sub>5</sub>-C<sub>8</sub>)cycloalkyl, where aryl is phenyl or naphthyl, and heteroaryl is 2-, 3- or 4-pyridyl, 2-, 4-, or 5-pyrimimidinyl, triazinyl, 1-, 2-, or 4-imidazolyl 2-, 4-, or 5-oxazolyl, isoxazolyl indolyl, pyrazolyl, quinolyl, isoquinolyl, 2-, 4-, or 5-thiazolyl, benzothiadiazolyl, 1-, 3- or 4-pyrazolyl, 1-, 3- or 4-triazolyl, 2-triazinyl, 2-pyrazinyl, 2-, or 3-furanyl, 2-, or 3-thienyl, 2-, or 3-benzothienyl, or 1-, 2- or 5-tetrazolyl, each of which is optionally substituted with 1 to 5 substituents independently selected at each occurrence from C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkenyl, (C<sub>3</sub>-C<sub>10</sub>

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cycloalkyl)  $C_1$ - $C_6$  alkyl,  $C_1$ - $C_6$  alkenyl, halogen,  $C_1$ - $C_6$  haloalkyl, trifluoromethylsulfonyl,  $OR^7$ ,  $NR^8R^9$ ,  $C_1$ - $C_6$  alkyl-OR7,  $C_1$ - $C_6$  alkyl- $NR^8R^9$ ,  $CONR^8R^9$ , COOR7, CN,  $SO_2NR^8R^9$ ,  $SO_2R^7$ , aryl, heteroaryl, heterocycloalkyl, 3-, 4-, or 5-(2-oxo-1,3-oxazolidinyl), wherein any 2 adjacent substituents may be take together to form a  $C_3$ - $C_{10}$  cycloalkyl ring, a  $C_3$ - $C_{10}$  cycloalkenyl ring or a heterocycloalkyl ring;

C<sub>3</sub>-C<sub>10</sub> cycloalkyl optionally substituted with 1 to 6 substituents independently selected from C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, (C<sub>3</sub>-C<sub>10</sub> cycloalkyl) C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> alkenyl, oxo, halogen, C<sub>1</sub>-C<sub>6</sub> haloalkyl, OR<sup>7</sup>, NR<sup>8</sup>R<sup>9</sup>, (with the proviso that when two OR<sup>7</sup> or NR<sup>8</sup>R<sup>9</sup> substituents are geminally located on the same carbon R<sup>7</sup> is not H and the geminally located OR<sup>7</sup> or NR<sup>8</sup>R<sup>9</sup> substitutuents can be taken together to form a C<sub>2</sub>-C<sub>4</sub> ketal, oxazoline, oxazolidine, imidazoline, or imidazolidine heterocycle), C<sub>1</sub>-C<sub>6</sub> alkyl-OR<sup>7</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-NR<sup>8</sup>R<sup>9</sup>, CONR<sup>8</sup>R<sup>9</sup>, COOR<sup>7</sup>, CN, oxo, is hydroximino, C<sub>1</sub>-C<sub>6</sub> alkoximino, SO<sub>2</sub>NR<sup>8</sup>R<sup>9</sup>, SO<sub>2</sub>R<sup>7</sup>, heterocycloalkyl, aryl, heteroaryl, where aryl or heteroaryl is optionally substituted with 1 to 5 substituents independently selected at each occurrence from C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkenyl, (C<sub>3</sub>-C<sub>10</sub> cycloalkyl) C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> alkenyl, halogen, C<sub>1</sub>-C<sub>6</sub> haloalkyl, trifluromethylsulfonyl, OR<sup>7</sup>, NR<sup>8</sup>R<sup>9</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-OR<sup>7</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-NR<sup>8</sup>R<sup>9</sup>, CONR<sup>8</sup>R<sup>9</sup>, COOR<sup>7</sup>, CN, SO<sub>2</sub>NR<sup>8</sup>R<sup>9</sup>, SO<sub>2</sub>R<sup>7</sup>, aryl, heteroaryl, heterocycloalkyl, 3-, 4-, or 5-(2-oxo-1,3-oxazolidinyl), with the proviso that 2 adjacent substituents can optionally form together a C<sub>3</sub>-C<sub>10</sub> cycloalkyl ring, a C<sub>3</sub>-C<sub>10</sub> cycloalkenyl ring or a heterocycloalkyl ring;

aryl or heteroaryl, optionally substituted with 1 to 5 substituents independently selected at each occurrence from halogen, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkenyl, (C<sub>3</sub>-C<sub>10</sub> cycloalkyl) C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> alkenyl, halogen, C<sub>1</sub>-C<sub>6</sub> haloalkyl, trifluromethylsulfonyl, OR<sup>7</sup>, NR<sup>8</sup>R<sup>9</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-OR<sup>7</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-NR<sup>8</sup>R<sup>9</sup>, CONR<sup>8</sup>R<sup>9</sup>, COOR<sup>7</sup>, CN, SO<sub>2</sub>NR<sup>8</sup>R<sup>9</sup>, SO<sub>2</sub>R<sup>7</sup>, aryl, heteroaryl, heterocycloalkyl, 3-, 4-, or 5-(2-oxo-1,3-oxazolidinyl), wherein any 2 adjacent substituents may be taken together to

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form a C<sub>3</sub>-C<sub>10</sub> cycloalkyl ring, a C<sub>3</sub>-C<sub>10</sub> cycloalkenyl ring or a heterocycloalkyl ring; or

- 3- or 4-piperidinyl, 3-pyrrolidinyl, 3- or 4-tetrahydropyranyl, 3-tetrahydrofuranyl, 3- or 4-tetrahydropyranyl, 3- tetrahydrofuranyl, 3- or 4-tetrahydrothiopyranyl, 3- or 4-(1,1-dioxo) tetrahydrothiopyranyl, 1-azabicyclo[4.4.0]decyl, 8-azabicyclo[3.2.1]octanyl, norbornyl, quinuclidinyl, indolin-2-one-3-yl, 2-(methoximino)-perhydroazepin-6-yl, each optionally substituted with 1 to 5 substituents independently selected at each occurrence from R<sup>7</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-OR<sup>7</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-NR<sup>8</sup>R<sup>9</sup>, CONR<sup>8</sup>R<sup>9</sup>, CN, COOR<sup>7</sup> SO<sub>2</sub>NR<sup>8</sup>R<sup>9</sup>, and SO<sub>2</sub>R<sup>7</sup>;
- R<sup>6</sup> is selected from H, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, (C<sub>3</sub>-C<sub>10</sub> cycloalkyl) C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>2</sub>-C<sub>4</sub> alkenyl, aryl(C<sub>1</sub>-C<sub>6</sub>)alkyl, heteroaryl(C<sub>1</sub>-C<sub>6</sub>) alkyl each of which is optionally substituted with 1 to 5 substituents independently from halogen, C<sub>1</sub>-C<sub>6</sub> haloalkyl, OR<sup>13</sup>, NR<sup>8</sup>R<sup>9</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-OR<sup>3</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-NR<sup>8</sup>R<sup>9</sup>, CONR<sup>8</sup>R<sup>9</sup>, COOR<sup>7</sup>, CN, SO<sub>2</sub>NR<sup>8</sup>R<sup>9</sup>, and SO<sub>2</sub>R<sup>7</sup>;
- R<sup>7</sup> is independently selected at each occurrence from H, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>3</sub> haloalkyl, or heterocycloalkyl, C<sub>1</sub>-C<sub>8</sub> alkylsulfonyl, arylsulfonyl, heteroarylsulfonyl, C<sub>1</sub>-C<sub>8</sub> alkanoyl, aroyl, heteroaroyl, aryl, heteroaryl, C<sub>1</sub>-C<sub>6</sub> arylalkyl or C<sub>1</sub>-C<sub>6</sub> heteroarylalkyl each optionally substituted with 1 to 5 substituents independently selected from halogen, C<sub>1</sub>-C<sub>6</sub> haloalkyl, OR<sup>13</sup>, NR<sup>8</sup>R<sup>9</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-OR<sup>13</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-NR<sup>8</sup>R<sup>9</sup>, CONR<sup>8</sup>R<sup>9</sup>, COOR<sup>13</sup>, CN, SO<sub>2</sub>NR<sup>8</sup>R<sup>9</sup>, and SO<sub>2</sub> R<sup>13</sup>, with the proviso that when R<sup>7</sup> is SO<sub>2</sub> R<sup>13</sup>, R<sup>13</sup> cannot be H;
- R<sup>8</sup> and R<sup>9</sup> are independently selected at each occurrence from H, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>2</sub>-C<sub>6</sub> alkenyl, C<sub>3</sub>-C<sub>10</sub> cycloalkenyl, C<sub>2</sub>-C<sub>6</sub> alkynyl, heterocycloalkyl, C<sub>1</sub>-C<sub>8</sub> alkanoyl, aroyl, heteroaroyl, aryl, heteroaryl, C<sub>1</sub>-C<sub>6</sub> arylalkyl or C<sub>1</sub>-C<sub>6</sub> heteroarylalkyl, or R<sup>8</sup> and R<sup>9</sup>, taken together, can form a C<sub>3</sub>-C<sub>6</sub> aminocarbocycle or a

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 $C_2$ - $C_5$  aminoheterocycle each of which is optionally substituted with  $C_1$ - $C_6$  alkyl,  $C_3$ - $C_{10}$  cycloalkyl,  $C_3$ - $C_{10}$  cycloalkyl,  $C_1$ - $C_6$  alkyl,  $C_1$ - $C_6$  alkyl,  $C_1$ - $C_6$  alkylsulfonyl, arylsulfonyl, heteroarylsulfonyl,  $C_1$ - $C_8$  alkylsulfonyl, aryl, heteroaryl,  $C_1$ - $C_6$  arylalkyl or  $C_1$ - $C_6$  heteroarylalkyl;

R<sup>11</sup> is selected from H, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, (C<sub>3</sub>-C<sub>10</sub> cycloalkyl) C<sub>1</sub>-C<sub>6</sub> alkyl;

R<sup>12</sup> is selected from H, aryl, heteroaryl, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, (C<sub>3</sub>-C<sub>10</sub> cycloalkyl) C<sub>1</sub>-C<sub>6</sub> alkyl, optionally substituted with O R<sup>7</sup>, NR<sup>8</sup>R<sup>9</sup>, C<sub>3</sub>-C<sub>6</sub> aminocarbocycle, or C<sub>2</sub>-C<sub>5</sub> aminoheterocycle;

 $R^{13}$  is independently selected at each occurrence from H,  $C_1$ - $C_6$  alkyl,  $C_3$ - $C_{10}$  cycloalkyl,  $(C_3$ - $C_{10}$  cycloalkyl)  $C_1$ - $C_6$  alkyl,  $C_2$ - $C_6$  alkenyl,  $C_2$ - $C_6$  alkynyl,  $C_1$ - $C_6$  haloalkyl, with the proviso that when  $R^7$  is  $R^{13}$ ,  $R^{13}$  cannot be H; and

 $R^{14}$  is H,  $C_1$ - $C_6$  alkyl,  $C_3$ - $C_{10}$  cycloalkyl, ( $C_3$ - $C_{10}$  cycloalkyl)  $C_1$ - $C_6$  alkyl,  $C_2$ - $C_4$  alkenyl,  $C_2$ - $C_4$  alkynyl, halo, or CN-

or a pharmaceutically acceptable salt, hydrate or prodrug thereof.

24. (previously presented) A compound in accordance with formula I

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$$R^{6}$$
 $N$ 
 $R^{6}$ 
 $N$ 
 $N$ 
 $R^{2}$ 
 $R^{3}$ 
 $R^{4}$ 

or a pharmaceutically acceptable salt, hydrate or prodrug thereof wherein: X is CR<sup>14</sup>;

R<sup>1</sup> is selected from H, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>3</sub>-C<sub>6</sub> cycloalkyl, (C<sub>3</sub>-C<sub>10</sub> cycloalkyl) C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>2</sub>-C<sub>6</sub> alkenyl, C<sub>2</sub>-C<sub>6</sub> alkynyl, cyano, halo, C<sub>1</sub>-C<sub>6</sub> haloalkyl, OR<sup>7</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-OR<sup>7</sup>; C<sub>1</sub>-C<sub>6</sub> cyanoalkyl, NR<sup>8</sup>R<sup>9</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-NR<sup>8</sup>R<sup>9</sup>;

R<sup>2</sup> is H, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl or (C<sub>3</sub>-C<sub>10</sub> cycloalkyl) C<sub>1</sub>-C<sub>6</sub> alkyl, wherein each alkyl or cycloalkyl group may be optionally substituted with 1 to 3 R<sup>7a</sup> groups;

R<sup>2</sup> may optionally join with R<sup>5</sup> and the two and the 2 nitrogen atoms to which they are bound to form a 6 to 10 membered heterocyclic ring optionally substituted at each carbon with R<sup>7(a)</sup>;

A represents an alkyl chain of 1, 2 or 3 carbon atoms which is optionally mono- or disubstituted at each carbon with substituents independently selected from C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, (C<sub>3</sub>-C<sub>10</sub> cycloalkyl) C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>2</sub>-C<sub>6</sub> alkenyl, C<sub>2</sub>-C<sub>6</sub> alkynyl, cyano, halo, C<sub>1</sub>-C<sub>6</sub> haloalkyl, OR<sup>7</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-OR<sup>7</sup>; C<sub>1</sub>-C<sub>6</sub> cyanoalkyl, NR<sup>8</sup>R<sup>9</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-NR<sup>8</sup>R<sup>9</sup>, or A and B jointly form a C<sub>3</sub>-C<sub>6</sub> carbocycle, optionally substituted at each occurrence with R<sup>7a</sup>;

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B represents an alkyl chain of 1,2 or 3 carbons atoms, which is optionally mono- or disubstituted at each carbon with substituents independently selected from C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, (C<sub>3</sub>-C<sub>10</sub> cycloalkyl) C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>2</sub>-C<sub>6</sub> alkenyl, C<sub>2</sub>-C<sub>6</sub> alkynyl, cyano, halo, C<sub>1</sub>-C<sub>6</sub> haloalkyl, OR<sup>7</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-OR7; C<sub>1</sub>-C<sub>6</sub> cyanoalkyl, NR<sup>8</sup>R<sup>9</sup>, and C<sub>1</sub>-C<sub>6</sub> alkyl-NR<sup>8</sup>R<sup>9</sup>;

R<sup>3</sup> is selected from H, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, (C<sub>3</sub>-C<sub>10</sub> cycloalkyl) C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>2</sub>-C<sub>6</sub> alkenyl, C<sub>2</sub>-C<sub>6</sub> alkynyl, cyano, halo, C<sub>1</sub>-C<sub>6</sub> haloalkyl, OR7, C<sub>1</sub>-C<sub>6</sub> alkyl-OR<sup>7</sup>, C<sub>1</sub>-C<sub>6</sub> cyanoalkyl, NR<sup>8</sup>R<sup>9</sup>, C<sub>1</sub>-C<sub>6</sub> allyl-NR<sup>8</sup>R<sup>9</sup>;

R<sup>4</sup> is selected from aryl or heteroaryl, each of which is substituted with 1 to 5 substituents independently selected from C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> alkenyl, C<sub>1</sub>-C<sub>6</sub> alkynyl, halogen, C<sub>1</sub>-C<sub>6</sub> haloalkyl, trifluromethylsulfonyl, OR<sup>7</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-OR<sup>7</sup>, NR<sup>8</sup>R<sup>9</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-NR<sup>8</sup>R<sup>9</sup>, CONR<sup>8</sup>R<sup>9</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-CONR<sup>8</sup>R<sup>9</sup>, COOR<sup>7</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-COOR<sup>7</sup>, CN, C<sub>1</sub>-C<sub>6</sub> alkyl-CN, SO<sub>2</sub>NR<sup>8</sup>R<sup>9</sup>, SO<sub>2</sub>R<sup>7</sup>, aryl, heteroaryl, heterocycloalkyl, 3-, 4-, or 5-(2-oxo-1,3-oxazolidinyl)-, C<sub>2</sub>-C<sub>4</sub> alkynyl wherein at least one of the positions ortho or para to the point of attachment of the aryl or heteroaryl ring to the pyrazole is substituted;

## R<sup>5</sup> is selected from:

C<sub>1</sub>-C<sub>6</sub> alkyl, (C<sub>3</sub>-C<sub>10</sub> cycloalkyl) C<sub>1</sub>-C<sub>6</sub> alkyl, each of which is substituted with 1 to 5 groups independently selected at each occurrence from C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>3</sub>-C<sub>10</sub>, cycloalkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkenyl, (C<sub>3</sub>-C<sub>10</sub> cycloalkyl) C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>2</sub>-C<sub>6</sub>, alkenyl, halogen, C<sub>1</sub>-C<sub>6</sub> haloalkyl, OR<sup>7</sup>, NR<sup>8</sup>R<sup>9</sup>, (with the proviso that when two OR<sup>7</sup> or NR<sup>8</sup>R<sup>9</sup> substituents are geminally located on the same carbon R<sup>7</sup> is not H and the geminally located OR<sup>7</sup> or NR<sup>8</sup>R<sup>9</sup> substitutuents can be taken together to form a C<sub>2</sub>-C<sub>4</sub> ketal, oxazoline, oxazolidine, imidazoline, or imidazolidine heterocycle), C<sub>1</sub>-C<sub>6</sub> alkyl-OR<sup>7</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl- NR<sup>8</sup>R<sup>9</sup>, CO NR<sup>8</sup>R<sup>9</sup>, COOR<sup>7</sup>, CN, oxo, hydroximino, C<sub>1</sub>-C<sub>6</sub> alkoximino, SO<sub>2</sub>NR<sup>8</sup>R<sup>9</sup>, SO<sub>2</sub>R<sup>7</sup>, heterocycloalkyl, aryl, heteroaryl, where aryl or heteroaryl is optionally substituted with 1 to 5 substituents independently selected at

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each occurrence from  $C_1$ - $C_6$  alkyl,  $C_3$ - $C_{10}$  cycloalkyl,  $C_3$ - $C_{10}$  cycloalkenyl, ( $C_3$ - $C_{10}$  cycloalkyl)  $C_1$ - $C_6$  alkyl,  $C_2$ - $C_6$  alkenyl, halogen,  $C_1$ - $C_6$  haloalkyl, trifluromethylsulfonyl,  $OR^7$ ,  $NR^8R^9$ ,  $C_1$ - $C_6$  alkyl- $OR^7$ ,  $C_1$ - $C_6$  alkyl  $NR^8R^9$ ,  $CONR^8R^9$ ,  $COOR^7$ , CN,  $SO_2NR^8R^9$ ,  $SO_2R^7$ , aryl, heteroaryl, heterocycloalkyl, 3-, 4-, or 5-(2-oxo-1,3-oxazolidinyl), with the proviso that 2 adjacent substituents can optionally form together a  $C_3$ - $C_{10}$ , cycloalkyl ring, a  $C_3$ - $C_{10}$  cycloalkenyl ring or a heterocycloalkyl ring; with the proviso that  $C_1$ - $C_6$  alkyl group is substituted with a  $C_1$ - $C_6$  alkyl group to give a  $C_7$ - $C_{10}$  alkyl group

Aryl(C<sub>1</sub>-C<sub>6</sub>) alkyl, heteroaryl(C<sub>1</sub>-C<sub>6</sub>)alkyl, aryl(C<sub>5</sub>-C<sub>8</sub>)cycloalkyl, or heteroaryl(C<sub>5</sub>-C<sub>8</sub>)cycloalkyl, each of which is optionally substituted with 1 to 5 substituents independently selected at each occurrence from C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> alkenyl, halogen, C<sub>1</sub>-C<sub>6</sub> haloalkyl, trifluoromethylsulfonyl, OR<sup>7</sup>, NR<sup>8</sup>R<sup>9</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-OR<sup>7</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-NR<sup>8</sup>R<sup>9</sup>, CONR<sup>8</sup>R<sup>9</sup>, COOR<sup>7</sup>, CN, SO<sub>2</sub>NR<sup>8</sup>R<sup>9</sup>, SO<sub>2</sub>R<sup>7</sup>, aryl, heteroaryl, heterocycloalkyl, 3-, 4-, or 5-(2-oxo-1,3-oxazolidinyl), wherein any 2 adjacent substituents may be taken together to form a C<sub>3</sub>-C<sub>10</sub> cycloalkyl ring, a C<sub>3</sub>-C<sub>10</sub> cycloalkenyl ring or a heterocycloalkyl ring;

C<sub>2</sub>-C<sub>6</sub> alkenyl, C<sub>2</sub>-C<sub>6</sub> alkynyl, C<sub>3</sub>-C<sub>10</sub> cycloalkenyl, or a 3 to 10 membered mono- or bicyclic heterocycle containing 1-3 O, S or N atoms, each of which is optionally substituted with 1 to 6 substituents independently selected from C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl) C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>2</sub>-C<sub>6</sub> alkenyl, halogen, C<sub>1</sub>-C<sub>6</sub> haloalkyl, OR<sup>7</sup>, NR<sup>8</sup>R<sup>9</sup>, (with the proviso that when two OR<sup>7</sup> or NR<sup>8</sup>R<sup>9</sup> substituents are geminally located on the same carbon R<sup>7</sup> is not H and the geminally located OR<sup>7</sup> or NR<sup>8</sup>R<sup>9</sup> substitutents can be taken together to form a C<sub>2</sub>-C<sub>4</sub> ketal, oxazoline, oxazolidine, imidazoline, or imidazolidine heterocycle), C<sub>1</sub>-C<sub>6</sub> alkyl-OR<sup>7</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-NR<sup>8</sup>R<sup>9</sup>, CONR<sup>8</sup>R<sup>9</sup>, COOR<sup>7</sup>, CN, oxo, hydroximino, C<sub>1</sub>-C<sub>6</sub> alkoximino, SO<sub>2</sub>NR<sup>8</sup>R<sup>9</sup>, SO<sub>2</sub>R<sup>7</sup>, COR<sup>7</sup>, heterocycloalkyl, aryl, C<sub>1</sub>-C<sub>6</sub> alkylaryl, heteroaryl, C<sub>1</sub>-C<sub>6</sub> alkylheteroaryl where aryl or heteroaryl is optionally substituted

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with 1 to 5 substituents independently selected at each occurrence from C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkenyl, (C<sub>3</sub>-C<sub>10</sub> cycloalkyl) C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>2</sub>-C<sub>6</sub> alkenyl, halogen, C<sub>1</sub>-C<sub>6</sub> haloalkyl, trifluromethylsulfonyl, OR7, NR<sup>8</sup>R<sup>9</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-OR7, C<sub>1</sub>-C<sub>6</sub> alkyl-NR<sup>8</sup>R<sup>9</sup>, CONR<sup>8</sup>R<sup>9</sup>, COOR<sup>7</sup>, CN, SO<sub>2</sub>NR<sup>8</sup>R<sup>9</sup>, SO<sub>2</sub>R<sup>7</sup>, aryl, heteroaryl, heterocycloalkyl, 3-, 4-, or 5-(2-oxo-1,3-oxazolidinyl), with the proviso that 2 adjacent substituents can optionally form together a C<sub>3</sub>-C<sub>10</sub> cycloalkyl ring, a C<sub>3</sub>-C<sub>10</sub> cycloalkenyl ring or a heterocycloalkyl ring; or

aryl or heteroaryl, optionally substituted with 1 to 5 substituents independently selected at each occurrence from halogen, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>2</sub>-C<sub>6</sub> alkenyl, halogen, C<sub>1</sub>-C<sub>6</sub> haloalkyl, trifluromethiylsulfonyl, OR<sup>7</sup>, NR<sup>8</sup>R<sup>9</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-OR<sup>7</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-NR<sup>8</sup>R<sup>9</sup>, CONR<sup>8</sup>R<sup>9</sup>, COOR<sup>7</sup>, CN, SO<sub>2</sub>NR<sup>8</sup>R<sup>9</sup>, SO<sub>2</sub>R<sup>7</sup>, aryl, heteroaryl, heterocycloalkyl, 3-, 4-, or 5-(2-oxo-1,3-oxazolidinyl)-, wherein any 2 adjacent substituents may be taken together to form a C<sub>3</sub>-C<sub>10</sub> cycloalkyl ring, a C<sub>3</sub>-C<sub>10</sub> cycloalkenyl ring or a heterocycloalkyl ring;

R<sup>6</sup> is selected from H, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, (C<sub>3</sub>-C<sub>10</sub> cycloalkyl) C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>2</sub>-C<sub>4</sub> alkenyl, aryl(C<sub>1</sub>-C<sub>6</sub>)alky- l, heteroaryl(C<sub>1</sub>-C<sub>6</sub>)alkyl each of which is optionally substituted with 1 to 5 substituents independently from halogen, C<sub>1</sub>-C<sub>6</sub> haloalkyl, OR<sup>13</sup>, NR<sup>8</sup>R<sup>9</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-OR<sup>13</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-NR<sup>8</sup>R<sup>9</sup>, CONR<sup>8</sup>R<sup>9</sup>, COOR<sup>7</sup>, CN, SO<sub>2</sub>NR<sup>8</sup>R<sup>9</sup>, and SO<sub>2</sub>R<sup>7</sup>;

R<sup>7</sup> is independently selected at each occurrence from H, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkenyl, (C<sub>3</sub>-C<sub>10</sub> cycloalkyl) C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>3</sub> haloalkyl, or heterocycloalkyl, aryl, heteroaryl, C<sub>1</sub>-C<sub>6</sub> arylalkyl or C<sub>1</sub>-C<sub>6</sub> heteroarylalkyl each optionally substituted with 1 to 5 substituents independently selected from halogen, C<sub>1</sub>-C<sub>6</sub> haloalkyl, OR<sup>13</sup>, NR<sup>8</sup>R<sup>9</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-OR<sup>13</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-NR<sup>8</sup>R<sup>9</sup>, CONR<sup>8</sup>R<sup>9</sup>, CONR<sup>8</sup>R<sup>9</sup>, COOR<sup>13</sup>, CN, SO<sub>2</sub>NR<sup>8</sup>R<sup>9</sup>, and SO<sub>2</sub>R<sup>13</sup>;

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R<sup>7a</sup> is independently selected at each occurrence from H, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, (C<sub>3</sub>-C<sub>10</sub> cycloalkyl) C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>3</sub> haloalkyl, or heterocycloalkyl, C<sub>1</sub>-C<sub>8</sub> alkylsulfonyl, arylsulfonyl, heteroarylsulfonyl, C<sub>1</sub>-C<sub>8</sub> alkanoyl, aroyl, heteroaroyl, aryl, heteroaryl, C<sub>1</sub>-C<sub>6</sub> arylalkyl or C<sub>1</sub>-C<sub>6</sub> heteroarylalkyl each optionally substituted with 1 to 5 substituents independently selected from halogen, C<sub>1</sub>-C<sub>6</sub> haloalkyl, OR<sup>13</sup>, NR<sup>8</sup>R<sup>9</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-OR<sup>13</sup>, C<sub>1</sub>-C<sub>6</sub> alkyl-NR<sup>8</sup>R<sup>9</sup>, CONR<sup>8</sup>R<sup>9</sup>, COOR<sup>13</sup>, CN, SO<sub>2</sub>NR<sup>8</sup>R<sup>9</sup>, and SO<sub>2</sub>R<sup>13</sup>, with the proviso that when R<sup>7a</sup> is SO<sub>2</sub>R<sup>13</sup>, R<sup>13</sup> cannot be H;

R<sup>8</sup> and R<sup>9</sup> are independently selected at each occurrence from H, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>2</sub>-C<sub>6</sub> alkenyl, C<sub>3</sub>-C<sub>10</sub> cycloalkenyl, C<sub>2</sub>-C<sub>6</sub> alkynyl, heterocycloalkyl, C<sub>1</sub>-C<sub>8</sub> alkanoyl, aroyl, heteroaroyl, aryl, heteroaryl, C<sub>1</sub>-C<sub>6</sub> arylalkyl or C<sub>1</sub>-C<sub>6</sub> heteroarylalkyl, or R<sup>8</sup> and R<sup>9</sup> taken together, can form a C<sub>3</sub>-C<sub>6</sub> aminocarbocycle or a C<sub>2</sub>-C<sub>5</sub> aminoheterocycle each of which is optionally substituted with C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkenyl, (C<sub>3</sub>-C<sub>10</sub> cycloalkyl) C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>1</sub>-C<sub>3</sub> haloalkyl, or heterocycloalkyl, C<sub>1</sub>-C<sub>8</sub> alkylsulfonyl, arylsulfonyl, heteroarylsulfonyl, C<sub>1</sub>-C<sub>8</sub> alkanoyl, aroyl, heteroaroyl, aryl, heteroaryl, C<sub>1</sub>-C<sub>6</sub> arylalkyl or C<sub>1</sub>-C<sub>6</sub> heteroarylalkyl;

 $R^{11}$  is selected from H,  $C_1$ - $C_6$  alkyl,  $C_3$ - $C_{10}$  cycloalkyl, ( $C_3$ - $C_{10}$  cycloalkyl)  $C_1$ - $C_6$  alkyl;

R<sup>12</sup> is selected from H, aryl, heteroaryl, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, (C<sub>3</sub>-C<sub>10</sub> cycloalkyl) C<sub>1</sub>-C<sub>6</sub> alkyl, optionally substituted with OR<sup>7</sup>, NR<sup>8</sup>R<sup>9</sup>, C<sub>3</sub>-C<sub>6</sub> aminocarbocycle, or C<sub>2</sub>-C<sub>5</sub> aminoheterocycle;

 $R^{13}$  is independently selected at each occurrence from H,  $C_1$ - $C_6$  alkyl,  $C_3$ - $C_{10}$  cycloalkyl, ( $C_3$ - $C_{10}$  cycloalkyl)  $C_1$ - $C_6$  alkyl,  $C_2$ - $C_6$  alkenyl,  $C_2$ - $C_6$  alkynyl,  $C_1$ - $C_6$  haloalkyl, with the proviso that when  $R^7$  is for  $SO_2$   $R^{13}$ ,  $R^{13}$  cannot be H; and

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R<sup>14</sup> is H, C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>3</sub>-C<sub>10</sub> cycloalkyl, (C<sub>3</sub>-C<sub>10</sub> cycloalkyl) C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>2</sub>-C<sub>4</sub> alkenyl, C<sub>2</sub>-C<sub>4</sub> alkynyl, halo, or CN.

- 25. (original) A compound according to claim 24, wherein R<sup>14</sup> is H, C<sub>1</sub>-C<sub>4</sub> alkyl, F or Cl.
- 26. (original) A compound according to claim 25, wherein

R' is H, C<sub>1</sub>-C<sub>4</sub> alkyl, (C<sub>3</sub>-C<sub>6</sub> cycloalkyl) C<sub>1</sub>-C<sub>2</sub> alkyl, where the alkyl and cycloalkyl groups are optionally substituted with 1-3 fluorines.

R<sup>3</sup> is H, C<sub>1</sub>-C<sub>4</sub> alkyl, (C<sub>3</sub>-C<sub>6</sub> cycloalkyl) C<sub>1</sub>-C<sub>2</sub> alkyl, where the alkyl and cycloalkyl groups are optionally substituted with 1-3 fluorines.

A is CH<sub>2</sub>, optionally substituted with one or two of the following: F, CF<sub>3</sub>, or C<sub>1</sub>-C<sub>3</sub> alkyl;

B is a 1, 2 or 3 carbon chain, optionally substituted with one or two of the following: F,  $CF_3$ , or  $C_1$ - $C_3$  alkyl.

27. (original) A Compound according to claim 26, wherein

R<sup>2</sup> is H;

R<sup>6</sup> is H;

R<sup>4</sup> is phenyl, substituted with 2 or 3 substituents independently selected from C<sub>1</sub>-C<sub>3</sub> alkyl, C<sub>3</sub>-C<sub>6</sub> cycloalkyl, C<sub>3</sub>-C<sub>6</sub> cycloalkenyl, C<sub>2</sub>-C<sub>4</sub> alkenyl, F, Cl, CF<sub>3</sub>, CHF<sub>2</sub>, CH<sub>2</sub>CF<sub>3</sub>, OMe, OCF<sub>3</sub>, OEt, OPr, OiPr, C<sub>2</sub>-C<sub>4</sub> alkyl OH, C<sub>2</sub>-C<sub>6</sub> alkynyl, wherein the phenyl ring is minimally 2,4 di-substituted.

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28. (previously presented) A Compound according to claim 27, wherein

A is CH<sub>2</sub>;

B is CH<sub>2</sub>;

R<sup>7a</sup> is independently selected at each occurrence from H, C<sub>1</sub>-C<sub>3</sub> alkyl, C<sub>3</sub>-C<sub>6</sub> cycloalkyl, C<sub>3</sub>-C<sub>6</sub> cycloalkenyl, (C<sub>3</sub>-C<sub>6</sub>) C<sub>1</sub>-C<sub>2</sub> alkyl, C<sub>1</sub>-C<sub>2</sub> fluoroalkyl, heterocycloalkyl, C<sub>1</sub>-C<sub>4</sub> alkanoyl, aroyl, heteroaroyl, aryl, heteroaryl, C<sub>1</sub>-C<sub>2</sub> arylalkyl or C<sub>1</sub>-C<sub>2</sub> heteroarylalkyl each optionally substituted with 1 to 3 substituents independently selected from F, Cl, CF<sub>3</sub>, OR<sup>13</sup>, NR<sup>8</sup>R<sup>9</sup>, C<sub>1</sub>-C<sub>2</sub> alkyl-OR<sup>13</sup>, C<sub>1</sub>-C<sub>2</sub> alkyl-NR<sup>8</sup>R<sup>9</sup>, CONR<sup>8</sup>R<sup>9</sup>, COOR<sup>13</sup>, and CN;

R<sup>8</sup> is H, C<sub>1</sub>-C<sub>3</sub> alkyl, CF<sub>3</sub> or CH<sub>2</sub>CF<sub>3</sub>;

R<sup>9</sup> is H or C<sub>1</sub>-C<sub>3</sub> alkyl;

R<sup>13</sup> is H, C<sub>1</sub>-C<sub>3</sub> alkyl, CF<sub>3</sub> or CH<sub>2</sub>C F<sub>3</sub>.

29. (original) A Compound according to claim 27, wherein

A is CH<sub>2</sub>, optionally substituted with one or two of the following: F, CF<sub>3</sub>, or methyl, ethyl, isopropyl;

B is CH<sub>2</sub>, optionally substituted with one or two of the following: F, CF<sub>3</sub>, methyl, ethyl,

or Isopropyl.

30. (previously presented) A Compound according to claim 29, wherein

R<sup>5</sup> is C<sub>1</sub>-C<sub>7</sub>, alkyl, C<sub>3</sub>-C<sub>6</sub> cycloalkyl, or C<sub>3</sub>-C<sub>6</sub> cycloalkyl C<sub>1</sub>-C<sub>2</sub> alkyl, substituted with F, CF<sub>3</sub>, OR<sup>7</sup> or NR<sup>8</sup>R<sup>9</sup>;

A is CH<sub>2</sub>, optionally substituted with methyl;

B is CH<sub>2</sub>, optionally substituted with methyl;

X is CH.

31. (original) A compound according to claim 30, wherein

R<sup>7</sup> is H, C<sub>1</sub>-C<sub>3</sub> alkyl, CF<sub>3</sub> or CH<sub>2</sub>CF<sub>3</sub>;

R<sup>8</sup> is H, C<sub>1</sub>-C<sub>3</sub> alkyl, CF<sub>3</sub> or CH<sub>2</sub>CF<sub>3</sub>,

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 $R^9$  is H or  $C_1$ - $C_3$  alkyl or N  $R^8R^9$  taken together to form a pyrrolidine, piperidine or morpholine ring.

32. (previously presented) A Compound according to claim 29, wherein

R<sup>5</sup> is 3- or 4-tetrahydropyranyl, 3-tetrahydrofluranyl, 3- or 4-tetrahydrothiopyranyl, 3- or 4-cyclhexenyl, or 3-cyclopentenyl, optionally substituted with 1 or 2 substituents selected from C<sub>1</sub>-C<sub>3</sub> alkyl;

A is CH<sub>2</sub>, optionally substituted with methyl;

B is CH<sub>2</sub> optionally substituted with methyl; and

X is CH.

33. (original) A Compound according to claim 29, wherein

R<sup>5</sup> is 3- or 4-piperidinyl or 3-pyrrolidinyl, optionally substituted on 1 or 2 carbons with C<sub>1</sub>-C<sub>3</sub> alkyl, and one substituent on nitrogen from H, C<sub>1</sub>-C<sub>6</sub>, alkyl, C<sub>3</sub>-C<sub>6</sub> cycloalkyl, C<sub>3</sub>-C<sub>6</sub> cycloalkyl, C<sub>1</sub>-C<sub>2</sub> alkyl, C<sub>1</sub>-C<sub>4</sub> alkenyl, C<sub>1</sub>-C<sub>3</sub> fluoroalkyl, C<sub>2</sub>-C<sub>4</sub> alkyl-OR<sup>7</sup>, C<sub>2</sub>-C<sub>4</sub> alkyl-NR<sup>8</sup>R<sup>9</sup>, heterocycloalkyl, CO- C<sub>1</sub>-C<sub>4</sub> alkyl, aryl, C<sub>1</sub>-C<sub>3</sub>, alkylaryl, heteroaryl, C<sub>1</sub>-C<sub>3</sub> alkylheteroaryl where aryl or heteroaryl is optionally substituted with 1 to 3 substituents independently selected at each occurrence from C<sub>1</sub>-C<sub>3</sub> alkyl, F, Cl, C<sub>1</sub>-C<sub>2</sub> fluoroalkyl, OR<sup>7</sup>, NR<sup>8</sup>R<sup>9</sup>, C<sub>1</sub>-C<sub>2</sub> alkyl-OR<sup>7</sup>, C<sub>1</sub>-C<sub>2</sub> alkyl-NR<sup>8</sup>R<sup>9</sup>, CONR<sup>8</sup>R<sup>9</sup>, COOR<sup>7</sup>, CN, SO<sub>2</sub>NR<sup>8</sup>R<sup>9</sup>, SO<sub>2</sub>R<sup>7</sup>, aryl, heteroaryl, heterocycloalkyl, 3 -, 4-, or 5 -(2-oxo-1,3-oxazolidinyl).

34. (previously presented) A Compound according to claim 33, wherein

R<sup>5</sup> is 3- or 4-piperidinyl or 3-pyrrolidinyl, optionally substituted on nitrogen with H, C<sub>1</sub>-C<sub>3</sub> alkyl, CH<sub>2</sub>CF<sub>3</sub>, acetyl, pyridyl, benzyl, methylenepyridyl, pyrimidinyl, or pyrazinyl, where the aryl or heteroaryl group is optionally substituted with 1 to 2 substituents independently selected at each occurrence from C<sub>1</sub>-C<sub>3</sub>, alkyl, F, Cl, CF<sub>3</sub>, OR<sup>7</sup>, NR<sup>8</sup>R<sup>9</sup>;

 $R^7$  is H, C<sub>1</sub>-C<sub>2</sub>, alkyl<sub>5</sub> CF<sub>3</sub> or CH<sub>2</sub>CF<sub>3</sub>;

R<sup>8</sup> is H, C<sub>1</sub>-C<sub>2</sub> alkyl, CF<sub>3</sub> or CH<sub>2</sub>CF<sub>3</sub>;

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 $R^9$  is H or  $C_1$ - $C_2$  alky;

A is CH<sub>2</sub>, optionally substituted methyl;

B is CH<sub>2</sub>, optionally substituted with methyl;

X is CH.

35. (original) A compound according to claim 29, wherein

R<sup>5</sup> is C<sub>1</sub>-C<sub>2</sub> arylalkyl, C<sub>1</sub>-C<sub>2</sub> heteroarylalkyl, C<sub>3</sub>-C<sub>4</sub> arylcycloalkyl, or C<sub>3</sub>-C<sub>4</sub> heteroarylcycloalkyl, where aryl is phenyl or naphthyl, and heteroaryl is 2-, 3-, or 4-pyridyl, 2-, 4- or 5 pyrimidinyl, triazinyl, 1-, 2- or 4-imidazolyl, 2-, 4-, or 5-oxazolyl, isoxazolyl, indolyl, pyrazolyl, quinolyl, isoquinolyl, 2-, 4-, or 5-thiazolyl, benzothiadiazolyl, 1-, 3- or 4 pyrazolyl, 1-, 3- or 4-triazolyl, 2-triazinyl, 2-pyr, zinyl, 2-, or 3-furanyl, 2-, or 3-thienyl, 2-, or 3-benzothienyl, or 1-, 2- or 5-tetrazolyl, each of which is optionally substituted with 1 to 3 substituents independently selected at each occurrence from C<sub>1</sub>-C<sub>3</sub> alkyl, C<sub>3</sub>-C<sub>6</sub> cycloalkyl, C<sub>3</sub>-C<sub>6</sub> cycloalkyl, C<sub>1</sub>-C<sub>2</sub> alkyl, C<sub>1</sub>-C<sub>6</sub> alkenyl, F, Cl, C<sub>1</sub>-C<sub>2</sub> fluoroalkyl, OR<sup>7</sup>, NR<sup>8</sup>R<sup>9</sup>, C<sub>1</sub>-C<sub>2</sub> alkyl-OR<sup>7</sup>, C<sub>1</sub>-C<sub>2</sub> alkyl-NR<sup>8</sup>R<sup>9</sup> or CN.

36. (previously presented) A compound according to claim 35, wherein

R<sup>5</sup> is phenethyl, pyridinylethyl, or 2-tetrahydonaphthylenyl, each of which is optionally substituted with 1 to 2 substituents independently selected at each occurrence from C<sub>1</sub>-C<sub>2</sub> alkyl, F, Cl, CF<sub>3</sub> OR<sup>7</sup>, NR<sup>8</sup>R<sup>9</sup>;

R<sup>7</sup> is H, C<sub>1</sub>-C<sub>2</sub> alkyl, CF<sub>3</sub> or CH<sub>2</sub>CF<sub>3</sub>;

R<sup>8</sup> is H, C<sub>1</sub>-C<sub>2</sub> alkyl, CF<sub>3</sub> or CH<sub>2</sub>CF<sub>3</sub>;

R<sup>9</sup> is H or C<sub>1</sub>-C<sub>2</sub> alkyl;

A is CH<sub>2</sub>, optionally substituted with methyl;

B is CH<sub>2</sub>, optionally substituted with methyl;

X is CH.

37. (currently amended) A compound according to claim 28 1, where the structure is [3-(2,6-dichloro-4-methoxy-phenyl)-2,5-dimethyl-pyrazolo [1,5-a]pyrimidin-7-yl]-(6-methyl-pyrazolo [1,5-a]pyrimidin

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piperidin-2-ylmethyl)-amine.

- 38. (original) A compound according to claim 31, where the compound is selected from the group consisting of:
  - 2-{2-[3-(2,6-dichloro-4-methoxy-phenyl)-2,5-dimethyl-pyrazolo[1,5-a]pyrimidin-7-ylamino]-ethylamino}-butan-1-ol;
  - N-{2-[3-(2,6-dichloro-4-methoxy-phenyl)-2,5-dimethyl-pyrazolo[1,5-a]pyrimidin-7-ylamino]-ethyl}-N'-methyl-cyclohexane-1,4-diamine;
  - N-{2-[3-(2,6-dichloro-4-methoxy-phenyl)-2,5-dimethyl-pyrazolo[1,5-a]pyrimidin-7-ylamino]-ethyl}-N'-ethyl-cyclohexane-1,4-diamine;
  - N-[3-(2,6-dichloro-4-methoxy-phenyl)-2,5-dimethyl-pyrazolo[1,5-a]pyrimidin-7-yl]-N'-(4-morpholin-4-yl-cyclohexyl)-ethane-1,2-diamine;
  - 4-{2-[3-(2,6-dichloro-4-methoxy-phenyl)-2,5-dimethyl-pyrazolo[1,5-a]pyrimidin-7-ylamino]-ethylaminol} -cyclohexanol;
  - 3-{2-[3-(2,6-dichloro-4-methox- y-phenyl)-2,5-dimethyl-pyrazolo[1,5-a]pyrimidin-7-ylamino]-ethylamino}-pro- pane-1,2-diol;
  - N-{2-[3(2,6-dichloro-4-methoxy-phenyl)-2,5-dimethyl-pyrazolo[1,5-a]pyrimidin-7-ylamino]-ethyl}-N'-isobutyl-cyclohexane-1,4-diamine;
  - N-{2-[3-(2,6-dichloro-4-methoxy-phenyl)-2,5-dimethyl-pyrazolo[l 1,5-a]pyrimidin-7-ylamino]-ethyl}-N'-isobutyl-cyclohexane-1,4-diamine;
  - 4-{2-[3-(2,6-dichloro-4-ethoxy-phenyl)-2,5-dimethyl-pyrazolo[1,5-a]pyrimidin-7-ylamino]-1-methyl-ethylamino}-cyclohexanol;
  - 2-{2-[3-(2,6-dichloro-4-ethoxy-phenyl)-2,5-dimethyl-pyrazolo[1,5-a]pyrimidin-7-ylamino]-ethylamino}-cyclohexanol;
  - N-[3-(2,6-dichloro-4-methoxy-phenyl)-2,5-dimethyl-pyrazo to [1,5-a]pyrimidin-7-yl]-N'-(4,4,4-trifluoro-butyl)-ethane-1,2-diamine;
  - N-[3-(2,6-dichloro-4-ethoxy-phenyl)-2,5-dimethyl-pyrazolo[1,5-a]pyrimidin-7-yl]-N'-(2,2,2-trifluoro-ethyl)-ethane-1,2-diamine;
  - N-[3-(2,6-dichloro-4-methoxy-phenyl)-2,5-dimethyl-pyrazolo[1,5-a]pyrimidin-7-yl]-N'-(2-trifluoromethyl-cyclohexyl)-ethane-1,2-diamine;

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N-[3-(2,6-dichloro-4-methoxy-phenyl)-2,5-dimethyl-pyrazolo [1,5 -a]pyrimidin-7-yl]-N'-(4-trifluoromethyl-cyclohexyl)-ethane 1,2-diamine;

N-[3-(2,6-dichloro-4-methoxy-phenyl)-2,5-dimethyl-pyrazolo[1,5-a]pyrimidin-7-yl]-N'-(2,2-difluoro-ethyl)-ethane-1,2-diamine;

N-[3-(2,6-dichloro-4-methoxy-phenyl)-2,5-dimethyl-pyrazolo [1,5-a]pyrimidin-7-yl]-N'-(2-fluoro-1-methyl-ethyl)-ethane-1,2-diamine;

N-[3-(2,6-dichloro-4-methoxy-phenyl)-2,5-dimethyl-pyrazoto [1,5-a]pyrimidin-7-yl]-N'-(2-fluoro-cyclohexyl)-ethane-1,2-diamine.

39. (original) A compound of claim 32, where the compound is selected from the group consisting of N-[3-(2,6-dichloro-phenyl)-2,5-dimethyl-pyrazolo[1,5-a]pyrimidin-7-yl]-N'-(tetrahydro-pyran-4-yl)-ethane-1,2-diamine; N-[3-(2,4-dichloro-6-methoxy-phenyl)-2,5dimethyl-pyrazolo[1,5-a]pyrimidin-7-yl]-N'-(tetrahydropyran -4-yl)-ethane-1,2-diamine; N-[3-(2,6-dichlork)-4-methoxy-phenyl)-2,5-dimethyl-pyrazolo[1,5-a]pyrimidin-7-yl]-N'-(tetrahydropyran-4-yl)-ethane-1,2-diamine; N1-[3-(2,6-Dichloro-phenyl)-2,5-dimethylpyrazo to [1,5-a]pyrimidin-7-yl]-N2&-(tetrahydropyran -4-yl)-propane-1,2-diamine; N-[3-(2,6-dichloro-4-methoxy-phenyl)-2,5-dimethyl-pyrazolo [1,5-a]pyrimidin-7-yl]-N-(2-methyltetrahydro-ftiran-3-yl)-ethane-1,2-dia- mine; N-[3-(2,6-dichloro-4-ethoxy-phenyl)-2,5dimethyl-pyrazolo[1,5-a]pyri- midin-7-yl]-N'-(tetrahydropyran -4-yl)-ethane-1,2-diamine; 3,5-dichloro-4-{2,5-dimethyl-7-[2-(tetrahydro-pyran-4-ylamino)-ethylamino-]-pyrazolo [1,5a]pyrimidin-3-yl}-benzonitrile; N-[3-(2,6-dichloro-4-propo-xy-phenyl)-2,5-dimethylpyrazolo[1,5-a]pyrimidin-7-yl]-N'-(tetrahydro-pyra- n-4-yl)-ethane-1,2-diamine; 2-(3,5dichloro-4-(2,5-dimethyl-7-[2-(tetrahyd-ro-pyran-4-ylamino)-ethylamino]-pyrazolo [1,5a]pyrimidin-3-yl} -phenyl)-propan -2-ol; N-[3-(2,6-dichloro-4-cyclopent-1-enyl-phenyl)-2,5dimethyl-pyrazolo[1,5-a]pyrimidin-7-yl]-N-(tetrahydro-pyran-4-yl)-ethane-1-,2-diamine; N-[8-(2,6-dichloro-4-ethoxy-phenyl)-2,7-dimethyl-pyrazolo [1,5-a] [1,3,5]triazin-4-yl]-N'-(tetrahydro-pyran-4-yl)-ethane-1,2-diamin- e; (3.5-dichloro-4-(2,5-dimethyl-7-[2-(tetrahydropyran-4-ylamino)-ethylam- ino]-pyrazolo[1,5-a]pyrimidin-3-yl}-phenyl)-methanol; N-[3-(2.6-dichloro-4-ethoxy-phenyl)-2.5-dimethyl-pyrazolo [1.5-a]pyrimidin-7-yl]-N-(2-methyltetrahydro-furan -3-yl)-ethane-1,2-diamine; N-[5-tert-butyl-3-(2,6-dichloro-4-methoxy-phenAmendment and Response

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- yl) -2-methyl-pyrazolo [1,5-a]pyrimidin-7-yl]-N'-(tetrahydro-pyran-4-yl)-e- thane-1,2-diamine; N-[3-(2,6-dichloro-4-ethoxy-phenyl)-5-ethyl-2-methyl-py- razolo[1,5-a]pyrimidin-7-yl]-N-(tetrahydro-pyran-4-yl)-ethane-1,2-diamine; N-cyclohex-3-enyl-N'-[3-(2,6-dichloro-4-methoxy-phenyl)-2,5-dimethyl-pyra- zolo[1,5-a]pyrimidin-7-yl]-ethane -1,2-diamine; N-cyclohex-3-enyl-N'-[8-(2-,6-dichloro-4-ethoxy-phenyl)-2,7-dimethyl-pyrazolo[1,5-a][1,3,5]triazin-4-- yl]-ethane-1,2-diamine; N-cyclopent-3-enyl-N'-[3-(2,6-dichloro-4-methoxy-p-henyl)-2,5-dimethyl-pyrazolo [1,5-a]pyrimidin-7-yl]-ethane-1,2-diamine.
- 40. (Previously presented) A compound of claim 34 where the structure is selected from the group consisting of
  - N-[3-(2,6-dichloro-phenyl)-2,5-dimethyi-pyrazolo[1,5-a]pyrimidin-7-yl]-N'-19 piperidin-4-yl-ethane-1,2-diamine;
  - N-[3-(2,6-dichloro-phenyl)-2,- 5-dimethyl-pyrazolo[1,5-a]pyrimidin-7-yl]-N-(1-ethyl-piperidin-3-yl)-ethane-1,2-diamine;
  - N-(1benzyl-pyrrolidin-3-yl)-N'-[3-(2,6-dichloro-phenyl)-2,5-dimethyl-pyrazolo [1,5a]pyrimidin-7-yl]-ethane-1,2-diamine;
  - N-[3-(2,6-dichloro-phenyl)-2,5-dimethyl-pyrazolo[1,5-a]pyrimidin-7-yl]-N'-pyrimidin-2-yl-ethane-1,2-diamine;
  - N-(1-benzylpiperidin-4-yl)-N'-[3 -(2,4-dichloro-6-methoxy-phenyl)-2,5-dimethyl-pyrazolo [1,5-a]pyrimidin-7-yl]-ethane-1,2-diamine;
  - N-(1-benzyl-piperidin-4-yl)-N-[3-(2,6-dichloro-4-methoxy-phenyl)-2,5-dimethyl-pyrazolo[1,5-a]pyrimidin-7-yl]-ethane-1,2-diamine;
  - N-[3(2,6-dichloro-4-methoxy-phenyl)-2,5-dimethyl-pyrazolo[1,5-a]pyrimidin-7-yl]-N'-(1'-methyl-piperidin-4-yl)-ethane-1,2-diamine;
  - N-[3-(2,6-dichloro-4-methoxy-phenyl)-2,5 dimethyl-pyrazolo [1,5-a]pyrimidin-7-yl]-N'-(1-ethyl-piperidin-4-yl)-ethane-1,2-diamine;
  - N-[3-(2,6-dichloro-4-methoxy-phenyl)-2,5-dimethyl-pyrazolo[1,5-a]pyrimidin-7-yl] -N'-(1-isopropyl-piperidin-4-yl)-ethane-1,2-diamine;

- N-[3-(2,6-dichloro-4-methoxy-phenyl)2,5-dimethyl-pyrazolo [1,5-a]pyrimidin-7-yl]-N'-(2,2,6,6-tetramethyl-piperidin-4-yl)-ethane-1,2- diamine;
- N-[3-(2,6-dichloro-4-methoxy-phenyl)-2,5-dimethyl-pyrazolo[1,5-a]- pyrimidin-7-yl]-N'-(1-ethyl-piperidin-3-yl)-ethane-1,2-diamine;
- N-[3-(2,6-dichloro-4-methoxy-phenyl)-2,5-dimethyl-pyrazo to [1,5-a] pyrimidin-7-yl]-N'-piperidin-4-yl-ethanel, 2-diamine;
- N<sup>2</sup>(1-Benzyl-piperidin-4-yl)-N'-[3-(2,6-dichloro-phenyl) -2,5-dimethyl-pyrazolo[1,5-ajpyrimidin-7-yl]-propane-1,2-diamine;
- N-[3-(2,6-Dichloro-4-methoxy-phenyl)-2,5-dimethyl-pyrazolo[1,5-a]pyrimidin-7-yl]-N'-(1-pyridin-3-ylmethyl-piperidin -4-yl)-ethane-1,2-diamine;
- N-[3-(2,6-Dichloro-4-methoxyphenyl)-2,5-dimethyl-pyrazolo[1,5-a]pyrimidin- -7-yl]-N'-(1-pyridin-4-ylmethyl-piperidin4-yl)-ethane-1,2-diamine;
- 3,5-Dichloro-4-12,5-dimethyl-7-[2-(1-phenyl-pyrrolidin -3-ylamino)-ethylamino]-pyrazolo[1,5-a]pyrimidin-3-yl]-phenol;
- N-[3-(2,6-2,5dichloro-4-methoxy-phenyl)-2,5-dimethyl-pyrazolo[1,5-a]pyrimidi- n-7-yl]-N'-(1-pyridin -2-ylmethyl-piperidin-4-yl)-ethane-1,2-diamine;
- 3,5-dichloro-4-(2,5-dimethyl-7-[2-(1-pyrimidin-2-yl-piperidin-4-ylamino)-ethylamino]-pyrazolo [1,5-a]pyrimidin-3-yl }-benzonitrile;
- N-[3-(2,6-dichloro-4-ethoxy-phenyl)-2,5-dimethyl-pyrazolo[1,5 a]pyrimidin-7-yl]-N'-(1-pyrimidin-2-yl-piperidin-4-yl)-ethane-1,2-diamine-;
- N-[3-(2,6dichloro-4-methoxy-phenyl)-2,5-dimethyl-pyrazolo[1,5-a]pyrimidi- n-7-yl]-N'-(1-pyrimidin-2-yl-piperidin-4-yl)-ethane-1,2-diamine;
- N-(1-benzyl-piperidin-4-yl)-N'-[3(2,6-dichloro-4-ethoxy-phenyl)-2,5-dimet-hyl-pyrazolo 1,5-a]pyrimidin-7-yl]-ethane-1,2-diamine;
- N-[3-(2,6-dichloro-phenyl)-5-ethyl-2-methyl-pyrazolo[1,5-a]pyrimidin-7-yl-]-N'- (1-pyrimidin-2-yl-piperidin-4-yl)-ethane-1,2-diamine;
- N-[3-(2,6-dichloro-phenyl)-5isopropyl-2-methyl-pyrazoto [1,5-a]pyrimidin-7-yl]-N-(1 -pyrimidin-2-yl-piperidin-4-yl)ethane-1,2-diamine;
- N-[3-(2,4-dichloro-phenyl)-5-isopropyl-2-methyl-pyrazolo [1,5a]pyrimidin-7-yl]-N'-(1 -pyrimidin -2-yl-piperidin-4-yl)-ethane-1,2-diamine;

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- N'-[3-(2,6-dichloro-4-ethoxy-phenyl)-2,5-dimethyl-pyrazolo[1,5-a]p- yrimidin-7-yl]-N<sup>2</sup>-(1 -pyrimidin -2-yl-piperidin-4-yl)-propane-1,2-diamine;
- N'-[3-(2,6-dichloro-4-methoxy-phenyl)-5isopropyl-2-methyl-pyrazoto [1,5-a]pyrimidin-7-yl]-N<sup>2</sup>-(1-pyrimidin-2-yl-piperidin-4-yl)propane-1,2-diamine;
- N-[3-(2,6-dichloro-4-methoxy-phenyl)-5-ethyl-2-methylpyrazoto [1,5-a]pyrimidin-7-yl]-N'-(1-pyrimidin-2-yl-piperidin-4-yl)-ethane-1,2-diamine;
- N'-[3-(2,6-dichloro-4-methoxy-phenyl)-2-methyl-5-propyl-pyrazolo[1,-5-a]pyrimidin-7-yl]-N<sup>2</sup>-(1-pyrimidin-2-yl-piperidin-4-yl)-propane-1,2-diamine;
- N'-[3-(2,6-dichloro-4methoxy-phenyl)-5-ethyl-2-methyl-pyrazoto [1,5-a]pyrimidin-7-yl]-N<sup>2</sup>-(1-pyrimidin-2-ylpiperidin-4-yl)-propane-1,2-diamine;
- N-[3-(2,6-dichloro-phenyl)-2-methyl-5-propylpyrazoto [1,5-a]pyrimidin-7-yl]-N'- (1-pyrimidin-2-yl-piperidin-4-yl)-ethane-1,2-diamine;
- N'-[3-(2,6-dichloro-phenyl)-2-methyl-5-propyl-pyrazolo[1,5-a]pyrimid- in-7-yl]-N<sup>2</sup>- (1-pyrimidin-2-yl-piperidin-4-yl)-propane-1,2-diamine;
- N'-[3-(2,6-dichloro-phenyl)-5-ethyl 2-methyl-pyrazolo[-1,5-a]pyrimidin-7-yl]-N<sup>2</sup>- (1-pyrimidin-2-yl-piperidin-4-yl)-propanel,2-diamine;
- N-[5-ethyl-2-methyl-3-(2,4,6-trimethyl-phenyl)-pyrazolo[1,5-a]pyrimidin-7-yl]-N'- (1-pyrimidin-2-yl-piperidin-4-yl)-ethane-1,2-diamine;
- N'-[5-ethyl-2-methyl-3-(2,4,6-trimethyl-phenyl)-pyrazolo[1,5-a]pyrimidin-7-yl]-N<sup>2</sup>-(1-pyrimidin-2-yl-piperidin -4-yl)-propane-1,2-diamine;
- N-[3-(2,6dichloro-4-ethynyl-phenyl)-2,5-dimethylpyrazolo [1,5-a]pyrimidin-7-yl]-N'-(1-pyrimidin-2-yl-piperidin-4-yl)-ethane-1,2-diamine;
- N-[2-methyl-5 -propyl-3 -(2,4,6-trimethyl-phenyl)-pyrazo to [1,5-a]pyrimidin-7-yl]-N'-(1 pyrimidin-2-yl-piperidin-4-yl)-ethane-1,2-diamine;
- N-[2,5-dimethyl-3-(2,4,6-trimethylphenyl)-pyrazolo [1,5-a]pyrimidin-7-yl]-N'-(-pyrimidin-2-yl-piperidin-4-yl)-ethane-1,2-diamine;
- N'-[3-(2,6-Dimethyl-phenyl)-5-ethyl-2-methyl-pyrazolo[1,5-a]pyrimidi- n-7-yl]-N'- (1 -pyrimidin-2-yl-piperidin-4-yl)-propane-1,2-diamine;
- N-[3 -(2,6-dimethyl-phenyl) -2-methyl-5-propyl-pyrazolo [1,5 -a]pyrimidin-7-yl]-N'-(1-pyrimidin-2-yl-piperidin-4-yl)-ethane -1,2-diamine;

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- N'-[3-(2,6-Dimethyl-phenyl)-2-methyl-5-propyl-pyrazolo[1,5-- a]pyrimidin-7-yl]-NZ-(1-pyrimidin-2-yl-piperidin-4-yl)-propane-1,2-diamine;
- N'-[3-(2,6dimethyl-phenyl)-2,5-dimethyl-pyrazolo[1,5-a]pyrimidin-7-yl]-N- .sup.2-(1-pyrimidin-2-ylpiperidin-4-yl)-propane-1,2-diamine;
- N-[3-(2,4-dimethyl-phenyl)-5-ethyl-2-methyl-pyrazolo[1,5-a]pyrimidin-7-yl-]-N'- (1-pyrimidin-2-yl-piperidin-4-yl)-ethane-1,2-diamine;
- N-[3-(2,4-dimethyl-phenyl)-2-methyl-5-propyl-pyrazolo [1,5-a]pyrimidin-7-yl ]-N'- (1-pyrimidin-2-yl-piperidin-4-yl)-ethane-1,2-diamine; and
- 1-[4-(1{[3-(2,6-dichloro-4-methoxyphenyl)-2,5-dimethyl-pyrazolo [1,5-a]pyrimidin-7-ylamino]-methyl]-propylamino)piperidin-1-yl]-ethanone.
- 41. (original) A compound of claim 37 where the structure is selected from the group consisting of
  - N-[2,5 -dimethyl-3-(2,4,6-trimethylphenyl)-pyrazolo [1,5-a]pyrimidin-7-yl]-N'-[2-(4-methoxy-phenyl)-ethyl]-ethane-1,2diamine;
  - N-[3-(2,6-dichloro-4-methoxy-phenyl)-2,5-dimethyl-pyrazolo[1,5-a]pyrimidi- n-7-yl]-N'-[2-(4-methoxy-phenyl)-ethyl]-ethane-1,2-diamine;
  - N-[3-(2,6-dichloro-4-methoxy-phenyl)-2,5-dimethyl-pyrazolo[1,5-a]pyrimidi- n-7-yl]-N'-[2-(3-ethoxy-4-methoxy-phenyl)-ethyl]-ethane-1,2-diamine;
  - N-[3-(2,6-dichloro-4-methoxy-phenyl)-2,5-dimethyl-pyrazolo[1,5-a]pyrimidi- n-7-yl]-N'-[2-(4-ethoxy-3-methoxy-phenyl)-ethyl]ethane-1,2-diamine;
  - N-[3-(2-,6-dichloro-4-methoxy-phenyl)-2,5-dimethyl-pyrazolo[1,a]pyrimid in-7-yl]-N'-(1,2,3,4-tetrahydro-naphthalen-2-yl)-ethane-1,2-diamine;
  - N-[3-(2,6-dichloro-4-methoxy-phenyl)-2,5-dimethyl-pyrazolo[1,5-a]pyrimidi- n-7-yl]-N'-(2-pyridin-2-yl-ethyl)-ethane-1,2-diamine;
  - N-[3-(2,6-dichloro-4-methoxy-phenyl)-2,5-dimethyl-pyrazolo[1,5-a]pyrimidi- n-7-yl]-N'-(2-pyridin-3-yl-ethyl)-ethane-1,2-diamine; and
  - N-[3-(2,6-dichloro-4-methoxy-phenyl)-2,5-dimethyl-pyrazolo [1,5-a]pyrimidin-7-yl]-N'-(2-pyridin4-yl-ethyl)-ethane-1,2-diamine.

42-44. (canceled)

45. (original) A pharmaceutical composition which comprises a therapeutically effective

amount of compound of claim 24 or a prodrug thereof or a pharmaceutically acceptable salt

of said compound or of said prodrug and a pharmaceutically acceptable carrier, vehicle or

diluent.

46. (original) A pharmaceutical composition for the treatment of obesity which comprises a

therapeutically effective amount of compound of claim 24 or a prodrug thereof or a

pharmaceutically acceptable salt of said compound or of said prodrug and a pharmaceutically

acceptable carrier, vehicle or diluent.

47-50. (canceled)

51. (original) A pharmaceutical composition according to claim 24 for the treatment of

disorders or disease states caused by eating disorders, of obesity, bulimia nervosa, diabetes,

dislipidemia, hypertension, memory loss, epileptic seizures, migraine, sleep disorders, pain,

sexual/reproductive disorders, depression, anxiety, cerebral hemorrhage, shock, congestive

heart failure, nasal congestion or diarrhea.

52-79. (canceled)

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